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**TRANSMITTAL  
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(to be used for all correspondence after initial filing)

Application Number	09/887,848
Filing Date	June 22, 2001
First Named Inventor	Robert C. Newman, Jr.
Art Unit	2821
Examiner Name	Wilson Lee

Total Number of Pages in This Submission

15

Attorney Docket Number

P99-16

**ENCLOSURES (Check all that apply)**

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**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name	Mark E. Rose, Patent Counsel
Signature	
Date	August 19, 2004

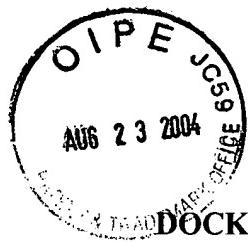
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Typed or printed name	Rita M. Shovlin
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This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IFW  
2821

DOCKET NO.: P99-16

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of:

Inventor: Robert C. Newman, Jr. et al.  
Serial No.: 09/887,848  
Filed: June 22, 2001  
Title: ELECTRONIC BALLAST  
Art Unit: 2821  
Examiner: Lee, Wilson

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Rita M. Shovlin  
(Signature of person mailing paper or fee.)

August 19, 2004  
(Date.)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

AMENDMENT

Responsive to the Official Action dated May 19, 2004, please amend the above-identified application as follows.

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, or claims in the application:

**1. – 13. (Cancelled)**

**14. (Original)** An electronic ballast for driving a gas discharge lamp, the ballast having improved input current THD comprising:

a rectifier for rectifying an AC input voltage from an AC power supply to produce a rectified bus voltage;

a valley-fill circuit having an energy storage device connected to filter said rectified bus